District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

30-045-11183

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: BP America Production Co	Contact Courtney Cochran
Address: 200 Energy Ct Farmington, NM 87401	Telephone No.. 505-326-9457
Facility Name: Valentine GC 1	Facility Type natural gas well API # 300451118300

Surface Owner FEE	Mineral Owner. FEE	Lease No

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	32	32N	10W	990	North	990	East	San Juan

Latitude 36.94628 **Longitude** 107 89972

NATURE OF RELEASE

Type of Release motor oil	Volume of Release unknown	Volume Recovered none
Source of Release BGT	Date and Hour of Occurrence unknown	Date and Hour of Discovery 2/29/2012
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Brandon Powell – NMOCD	
By Whom? Courtney Cochran	Date and Hour 3 30 pm on 3/15/2012	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully *

RCVD MAR 19 '12
OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken * The laboratory analysis on 21 bbl BGT closure indicated a release had occurred at some point in time Method 418 1 indicated 430 ppm TPH Method 8015B indicated 86 ppm DRO No visual impacts were noted during closure activities

Describe Area Affected and Cleanup Action Taken *
Release will be remediated in accordance with spill and release guidelines

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations

Signature	OIL CONSERVATION DIVISION
Printed Name Courtney Cochran	Approved by District Supervisor Jonathan D. Kelly
Title Environmental Advisor	Approval Date 3/21/2012 Expiration Date
E-mail Address Courtney Cochran@bp.com	Conditions of Approval Attached ☐
Date 03/15/2012 Phone 505-326-9457	

* Attach Additional Sheets If Necessary

nJK1208128286

RCVD MAR 19 '12
OIL CONS. DIV.
DIST. 3

CLIENT: BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

API #: 30-045-11183
TANK ID (if applicble): A + B + C

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER: CLOSURE OF A + C ; UPGRADE OF B

PAGE #: 1 of 1

SITE INFORMATION:

SITE NAME: VALENTINE GC 1

DATE STARTED 2-29-2012
DATE FINISHED 3-1-2012

QUAD/UNIT: A SEC 32 TWP: 32N RNG. 10W PM: NM CNTY. SJ ST: NM

1/4 -1/4/FOOTAGE 990NL x 940EL LEASE TYPE FEDERAL / STATE / (FEE) / INDIAN

LEASE #: PROD. FORMATION: CONTRACTOR: ELKHORN (G CLEAVER)

ENVIRONMENTAL SPECIALIST(S) JCB

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD. 36.94595 x 107.89940 GL ELEV 6010

1) 21 BGT (C) SW/DB	GPS COORD.: 36.946449 x 107.899073	DISTANCE/BEARING FROM W.H.	200' N72E
2) 45 BGT (A) SW/DB	GPS COORD.: 36.945919 x 107.89942	DISTANCE/BEARING FROM W.H.	159' S28E
3) 95 BGT (B) SW/DB	GPS COORD.: 36.946289 x 107.899211	DISTANCE/BEARING FROM W.H.	150' N90E
4)	GPS COORD.:	DISTANCE/BEARING FROM W.H.	

SAMPLING DATA:

CHAIN OF CUSTODY RECORD(S) # OR LAB USED HALL

				OVM READING (ppm)
1) SAMPLE ID: 21 BGT (C) 5-pt @ 6'	SAMPLE DATE: 2-29-2012	SAMPLE TIME: 1310	LAB ANALYSIS: TPH/BTEX/Cl	0.0
2) SAMPLE ID: 45 BGT (A) 5-pt @ 5'	SAMPLE DATE: "	SAMPLE TIME: 1300	LAB ANALYSIS: "	0.0
3) SAMPLE ID: 95 BGT (B)	SAMPLE DATE: 3-1-2012	SAMPLE TIME: 1420	LAB ANALYSIS: —	0.0
4) SAMPLE ID	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	

SOIL DESCRIPTION:

SOIL TYPE SAND / (SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL / (OTHER) ROUNDED RIVER COBBLES

SOIL COLOR:

COHESION (ALL OTHERS) (NON COHESIVE) / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

PLASTICITY (CLAYS) NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

CONSISTENCY (NON COHESIVE SOILS) (LOOSE) / FIRM / DENSE / VERY DENSE

DENSITY (COHESIVE CLAYS & SILTS) SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / (SLIGHTLY MOIST) / MOIST / WET / SATURATED / SUPER SATURATED

HC ODOR DETECTED: YES (NO) EXPLANATION -

SAMPLE TYPE: GRAB (COMPOSITE) # OF PTS. 5

DISCOLORATION/STAINING OBSERVED: YES / (NO) EXPLANATION -

ANY AREAS DISPLAYING WETNESS YES (NO) EXPLANATION -

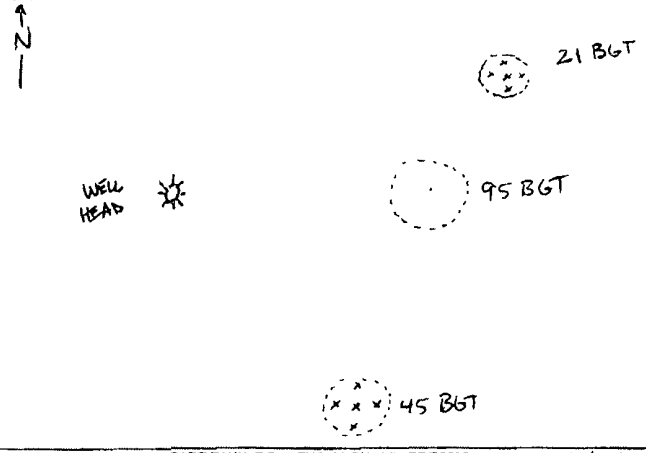
ADDITIONAL COMMENTS CLOSURE OF 21 BGT (C), 45 BGT (A), MODIFICATION UPGRADE 95 BGT (B). NO VISUAL EVIDENCE OF RELEASE AT ANY BGT.

EXCAVATION DIMENSIONS (if applicable): — ft. X — ft. X — ft. cubic yards excavated (if applicable): —

DEPTH TO GROUNDWATER _____ NEAREST WATER SOURCE: _____ NEAREST SURFACE WATER _____ NMOCD TPH CLOSURE STD _____ PPM

SITE SKETCH

PLOT PLAN circle: attached



OVM CALIB. READ. = 53.3 ppm RF = 0.52
OVM CALIB. GAS = 100 ppm
TIME 1320 am/pm DATE 2-29-12

MISCELL. NOTES

N1489146
PO: 66145
PK: SCHWLBGT

Tank ID
21 BGT Sidewalls Visible: Y / (N) / NA
45 BGT Sidewalls Visible: Y / (N) / NA
Magnetic declination: 10 °E

NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.

TRAVEL NOTES: CALLOUT: _____ ONSITE 2-29-2012

revised: 07/11/11

BEI1005E-3.SKF

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque NM 87109
TEL 505-345-3975 FAX 505-345-4107
Website www.hallenvironmental.com

March 14, 2012

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL: (505) 320-1183
FAX (505) 632-3903

RE: Valentine GC 1 OrderNo.: 1203232

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/7/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1203232**
Date Reported **3/14/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Valentine GC 1
Lab ID: 1203232-001
Matrix: SOIL
Client Sample ID: 45 BGT 5-pt@5'
Collection Date: 2/29/2012 1 00 00 PM
Received Date: 3/7/2012 9 30 00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst **JMP**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/8/2012 1 19 16 PM
Surr DNOP	84 4	77 4-131		%REC	1	3/8/2012 1 19 16 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst **RAA**
Gasoline Range Organics (GRO)	ND	4 9		mg/Kg	1	3/8/2012 3 40 01 PM
Surr BFB	94 5	69 7-121		%REC	1	3/8/2012 3 40 01 PM
EPA METHOD 8021B: VOLATILES						Analyst **RAA**
Benzene	ND	0 049		mg/Kg	1	3/8/2012 3 40 01 PM
Toluene	ND	0 049		mg/Kg	1	3/8/2012 3 40 01 PM
Ethylbenzene	ND	0 049		mg/Kg	1	3/8/2012 3 40 01 PM
Xylenes, Total	ND	0 098		mg/Kg	1	3/8/2012 3 40 01 PM
Surr 4-Bromofluorobenzene	104	85 3-139		%REC	1	3/8/2012 3 40 01 PM
EPA METHOD 300.0: ANIONS						Analyst **BRM**
Chloride	ND	15		mg/Kg	10	3/12/2012 3 29 01 PM
EPA METHOD 418.1: TPH						Analyst **JMP**
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	3/12/2012

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Valentine GC 1
Lab ID: 1203232-002 **Matrix:** SOIL

Client Sample ID: 21 BGT 5-pt@5'
Collection Date: 2/29/2012 1:10:00 PM
Received Date: 3/7/2012 9.30 00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst **JMP**
Diesel Range Organics (DRO)	86	9 9		mg/Kg	1	3/9/2012 11 25 47 AM
Surr DNOP	84 5	77 4-131		%REC	1	3/9/2012 11 25 47 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst **RAA**
Gasoline Range Organics (GRO)	ND	4 8		mg/Kg	1	3/8/2012 4 08 48 PM
Surr BFB	95 4	69 7-121		%REC	1	3/8/2012 4 08 48 PM
EPA METHOD 8021B: VOLATILES						Analyst **RAA**
Benzene	ND	0 048		mg/Kg	1	3/8/2012 4 08 48 PM
Toluene	ND	0 048		mg/Kg	1	3/8/2012 4 08 48 PM
Ethylbenzene	ND	0 048		mg/Kg	1	3/8/2012 4 08 48 PM
Xylenes, Total	ND	0 097		mg/Kg	1	3/8/2012 4 08 48 PM
Surr 4-Bromofluorobenzene	105	85 3-139		%REC	1	3/8/2012 4 08 48 PM
EPA METHOD 300.0: ANIONS						Analyst **BRM**
Chloride	ND	7 5		mg/Kg	5	3/12/2012 4 06 14 PM
EPA METHOD 418.1: TPH						Analyst **JMP**
Petroleum Hydrocarbons, TR	430	20		mg/Kg	1	3/12/2012

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO# **1203232**

14-Mar-12

Client: Blagg Engineering

Project: Valentine GC 1

Sample ID	**MB-1046**	SampType	**MBLK**	TestCode	**EPA Method 300.0: Anions**
Client ID	**PBS**	Batch ID	**1046**	RunNo	**1421**
Prep Date	**3/12/2012**	Analysis Date	**3/12/2012**	SeqNo	**39891** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1 5								

Sample ID	**LCS-1046**	SampType	**LCS**	TestCode	**EPA Method 300.0: Anions**
Client ID	**LCSS**	Batch ID	**1046**	RunNo	**1421**
Prep Date	**3/12/2012**	Analysis Date	**3/12/2012**	SeqNo	**39892** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1 5	15 00	0	92 1	90	110			

Sample ID	**1203232-001AMS**	SampType	**MS**	TestCode	**EPA Method 300.0: Anions**
Client ID	**45 BGT 5-pt@5'**	Batch ID	**1046**	RunNo	**1421**
Prep Date	**3/12/2012**	Analysis Date	**3/12/2012**	SeqNo	**39894** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	15	15 00	7 740	50 8	74 6	118			S

Sample ID	**1203232-001AMSD**	SampType	**MSD**	TestCode	**EPA Method 300.0: Anions**
Client ID	**45 BGT 5-pt@5'**	Batch ID	**1046**	RunNo	**1421**
Prep Date	**3/12/2012**	Analysis Date	**3/12/2012**	SeqNo	**39895** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	15	15 00	7 740	50 4	74 6	118	0 352	20	S

Qualifiers:

- */X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO# **1203232**

14-Mar-12

Client: Blagg Engineering

Project: Valentine GC 1

Sample ID	**MB-1023**	SampType	**MBLK**	TestCode	**EPA Method 418.1: TPH**					
Client ID	**PBS**	Batch ID	**1023**	RunNo	**1394**					
Prep Date	**3/9/2012**	Analysis Date	**3/12/2012**	SeqNo	**39221**	Units	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-1023**	SampType	**LCS**	TestCode	**EPA Method 418 1: TPH**					
Client ID	**LCSS**	Batch ID	**1023**	RunNo	**1394**					
Prep Date	**3/9/2012**	Analysis Date	**3/12/2012**	SeqNo	**39222**	Units	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100 0	0	103	87 8	115			

Sample ID	**LCSD-1023**	SampType	**LCSD**	TestCode	**EPA Method 418.1: TPH**					
Client ID	**LCSS02**	Batch ID	**1023**	RunNo	**1394**					
Prep Date	**3/9/2012**	Analysis Date	**3/12/2012**	SeqNo	**39223**	Units	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100 0	0	102	87 8	115	0 993	8 04	

Qualifiers:

- */X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO# **1203232**

14-Mar-12

Client: Blagg Engineering

Project: Valentine GC 1

Sample ID **MB-988**	SampType **MBLK**	TestCode **EPA Method 8015B: Diesel Range Organics**
Client ID **PBS**	Batch ID **988**	RunNo **1342**
Prep Date **3/7/2012**	Analysis Date **3/8/2012**	SeqNo **38057** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr DNOP	8 5		10 00		84 6	77 4	131			

Sample ID **LCS-988**	SampType **LCS**	TestCode **EPA Method 8015B: Diesel Range Organics**
Client ID **LCSS**	Batch ID **988**	RunNo **1342**
Prep Date **3/7/2012**	Analysis Date **3/8/2012**	SeqNo **38064** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50 00	0	82 5	62 7	139			
Surr DNOP	4 3		5 000		85 5	77 4	131			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO# **1203232**

14-Mar-12

Client: Blagg Engineering

Project: Valentine GC 1

Sample ID **MB-986**	SampType **MBLK**	TestCode **EPA Method 8015B: Gasoline Range**
Client ID **PBS**	Batch ID **986**	RunNo **1353**
Prep Date **3/7/2012**	Analysis Date **3/8/2012**	SeqNo **38593** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5 0								
Surr BFB	940		1,000		94 3	69 7	121			

Sample ID **LCS-986**	SampType **LCS**	TestCode **EPA Method 8015B: Gasoline Range**
Client ID **LCSS**	Batch ID **986**	RunNo **1353**
Prep Date **3/7/2012**	Analysis Date **3/8/2012**	SeqNo **38594** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5 0	25 00	0	101	98 5	133			
Surr BFB	1,000		1,000		101	69 7	121			

Sample ID **1203229-001AMS**	SampType **MS**	TestCode **EPA Method 8015B: Gasoline Range**
Client ID **BatchQC**	Batch ID **986**	RunNo **1404**
Prep Date **3/7/2012**	Analysis Date **3/12/2012**	SeqNo **40169** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5 0	24 80	0	114	85 4	147			
Surr BFB	980		992 1		99 1	69 7	121			

Sample ID **1203229-001AMSD**	SampType **MSD**	TestCode **EPA Method 8015B: Gasoline Range**
Client ID **BatchQC**	Batch ID **986**	RunNo **1404**
Prep Date **3/7/2012**	Analysis Date **3/12/2012**	SeqNo **40171** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4 9	24 56	0	113	85 4	147	1 76	19 2	
Surr BFB	960		982 3		98 0	69 7	121	0	0	

Qualifiers:

- */X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO# **1203232**

14-Mar-12

Client: Blagg Engineering

Project: Valentine GC 1

Sample ID **MB-986**	SampType **MBLK**	TestCode **EPA Method 8021B: Volatiles**
Client ID **PBS**	Batch ID **986**	RunNo **1353**
Prep Date **3/7/2012**	Analysis Date **3/8/2012**	SeqNo **38608** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0 050								
Toluene	ND	0 050								
Ethylbenzene	ND	0 050								
Xylenes, Total	ND	0 10								
Surr 4-Bromofluorobenzene	1 0		1 000		104	85 3	139			

Sample ID **LCS-986**	SampType **LCS**	TestCode **EPA Method 8021B: Volatiles**
Client ID **LCSS**	Batch ID **986**	RunNo **1353**
Prep Date **3/7/2012**	Analysis Date **3/8/2012**	SeqNo **38612** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0 93	0 050	1 000	0	93 3	83 3	107			
Toluene	0 95	0 050	1 000	0	95 4	74 3	115			
Ethylbenzene	0 96	0 050	1 000	0	95 7	80 9	122			
Xylenes, Total	2 9	0 10	3 000	0	96 5	85 2	123			
Surr 4-Bromofluorobenzene	1 1		1 000		109	85 3	139			

Sample ID **1203230-001AMS**	SampType **MS**	TestCode **EPA Method 8021B: Volatiles**
Client ID **BatchQC**	Batch ID **986**	RunNo **1404**
Prep Date **3/7/2012**	Analysis Date **3/12/2012**	SeqNo **40186** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0 82	0 049	0 9747	0	84 3	67 2	113			
Toluene	0 85	0 049	0 9747	0	87 4	62 1	116			
Ethylbenzene	0 88	0 049	0 9747	0	90 4	67 9	127			
Xylenes, Total	2 7	0 097	2 924	0	90 9	60 6	134			
Surr 4-Bromofluorobenzene	0 97		0 9747		99 0	85 3	139			

Sample ID **1203230-001AMSD**	SampType **MSD**	TestCode **EPA Method 8021B. Volatiles**
Client ID **BatchQC**	Batch ID **986**	RunNo **1404**
Prep Date **3/7/2012**	Analysis Date **3/12/2012**	SeqNo **40187** Units **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0 80	0 048	0 9524	0	84 5	67 2	113	2 07	14 3	
Toluene	0 84	0 048	0 9524	0	88 5	62 1	116	1 07	15 9	
Ethylbenzene	0 86	0 048	0 9524	0	90 5	67 9	127	2 16	14 4	
Xylenes, Total	2 6	0 095	2 857	0	91 8	60 6	134	1 41	12 6	
Surr 4-Bromofluorobenzene	0 95		0 9524		100	85 3	139	0	0	

Qualifiers:

- */X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name. BLAGG Work Order Number. 1203232

Received by/date: MQ 03/07/12

Logged By Ashley Gallegos 3/7/2012 9:30:00 AM

Completed By. Ashley Gallegos 3/7/2012 10 34 49 AM

Reviewed By: 03/07/12

Chain of Custody

1. Were seals intact?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	FedEx		

Log In

4. Coolers are present? (see 19. for cooler specific information)	Yes ☑	No ☐	NA ☐
5 Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
6. Were all samples received at a temperature of >0° C to 6 0°C	Yes ☑	No ☐	NA ☐
7 Sample(s) in proper container(s)?	Yes ☑	No ☐	
8. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
11. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
12. Were any sample containers received broken?	Yes ☐	No ☑	
13 Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14 Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15 Is it clear what analyses were requested?	Yes ☑	No ☐	
16. Were all holding times able to be met? (If no, notify customer for authorization)	Yes ☑	No ☐	

# of preserved bottles checked for pH _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by _____

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

18. Additional remarks

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: BLAGG ENGINEERING INC.
BP AMERICA
Mailing Address: P.O. BOX 87
BLOOMFIELD, NM 87413
Phone #: 505-632-1199
email or Fax#:
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____
Project Name: VALENTINE GC 1
Project #:
Project Manager: J. BLAGG
Sampler: J. BLAGG
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1203232	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	CHLORIDE				Air Bubbles (Y or N)
2/29/12	1300	SOIL	45 BGT 5-pt @ 5'	4oz x1	COOL	-001	X		X	X								X				
"	1310	"	21 BGT 5-pt @ 5'	"	"	-002	X		X	X								X				

Date	Time:	Relinquished by	Received by:	Date	Time	Remarks: GRO + DRO ON 8015
3/6/12	1155	Jeffrey C. Blagg	Christine Walker	3/6/12	1155	N 1488146
Date	Time	Relinquished by	Received by	Date	Time	ZSCHWILBGT
3/6/12	1621	Christine Walker	Murrell Garner	03/07/12	0930	Jeff PEACE